

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

✓
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Checked by Chief
Approval Letter
Disapproval Letter

PMB
In Use 6-10-71

COMPLETION DATA:

Date Well Completed

Location Inspected

W..... WW..... TA.....

Bond released

GW..... OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U - 019379	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR TENNECO OIL COMPANY			7. UNIT AGREEMENT NAME UPPER VALLEY UNIT	
3. ADDRESS OF OPERATOR SUITE 1200 LINCOLN TOWER BLDG - DENVER, COLORADO			8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 710' F/WL and 820' F/SL At proposed prod. zone			9. WELL NO. 29	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* NE SWSW			10. FIELD AND POOL, OR WILDCAT UPPER VALLEY	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 13, T-36-S, R-I-E	
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH GARFIELD	
17. NO. OF ACRES ASSIGNED TO THIS WELL			13. STATE UTAH	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7562 GR			22. APPROX. DATE WORK WILL START* UPON APPROVAL	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	10 - 3/4"	40.5 #	3100'	Suff to fill 500' above Dakota
9-7/8"	7"	20 & 23#	6800'	Suff to fill 500' above Kabab

Well to be drilled to approximately 6800'; Log, and if commercial production is indicated, Run 7" casing to T.D.

Casing will be perforated and formation treated as necessary to establish commercial production. A 2-1/16" parasite string will be run to casing point with the 10-3/4" to aerate returns. If coal is encountered 0' to 500'; Coal bed will be cemented with 1" pipe as per U.S.G.S. instructions. 30' of 24" culvert pipe as conductor will set & cemented. A 17-1/2" hole to 3100" and if warranted by lost circulation; hole will be reamed to 18" and run 16" casing as required.

B.O.P. to be tested asch 24 hours.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

APPROVED IN ACCORDANCE WITH
CAUSE NO. 143-1, DATED APRIL 21, 1971

DATE 6-10-71
BY Elton B. Feght

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Sr. Production Clerk

DATE 6/7/71

(This space for Federal or State office use)

PERMIT NO.

43-017-30034

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

COMPANY TENNECO OIL COMPANY

Well Name & No. UPPER VALLEY NO. 29

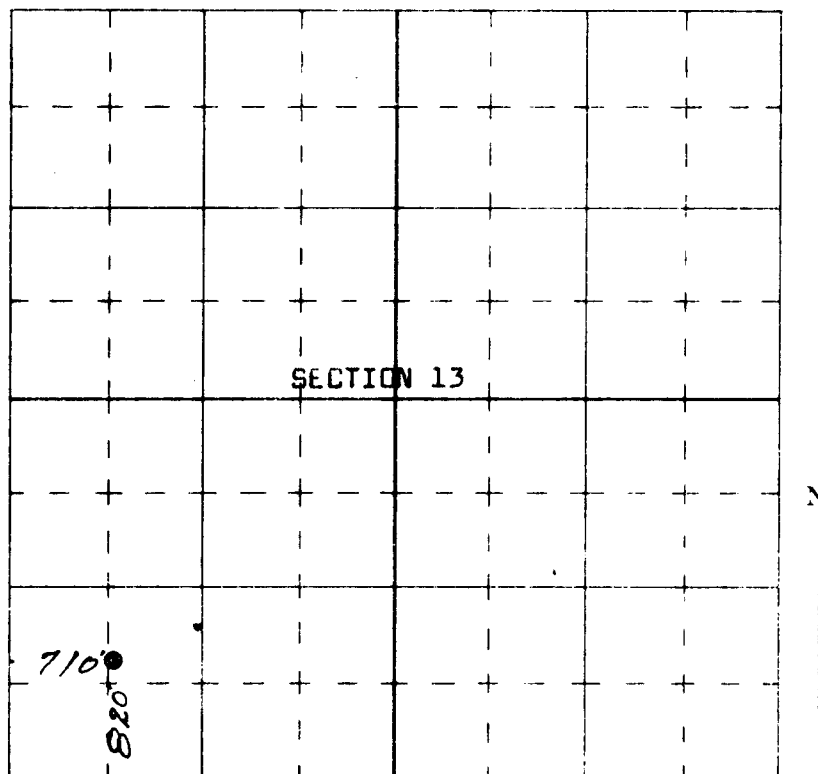
Lease No.

Location 820 Feet from the South Line and 710 Feet from the West Line

Being in SWSW

Sec. 13, T 36S R 1 E, S.L.M., Garfield County, Utah

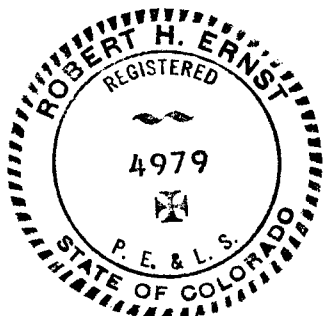
Ground Elevation 7562 feet ungraded



Scale — 4 inches equals 1 mile

Surveyed 3 June 19 71

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Registered Land Surveyor.

Robert H. Ernst
Colo. PE & LS 4979
New Mexico PE & LS 2463

ERNST ENGINEERING CO.
DURANGO, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLY
(Other instructions
verse side)Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U - 019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

29

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 13, T-36-S, R-I-E

12. COUNTY OR PARISH 13. STATE

Garfield

Utah

1. OIL ☒ WELL GAS ☐ WELL OTHER ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200 Lincoln Tower Bldg- Denver Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 710' F/WL and 820' F/SL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7562 GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

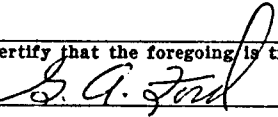
Well spudded 6/27/71 with 17- $\frac{1}{2}$ " hole and drilled to T.D. of 2689 on 7/5/71.Ran 82 Jts. of 10- $\frac{3}{4}$ " 40.5# casing landed at 2689; cemented with 800 sacks.Tested casing and B.O.P. to 1000 psi, held ok, Now preparing to drill out with 9- $\frac{7}{8}$ " hole.

33 ft. of 21" culvert pipe was set as conductor pipe and cemented to surface.

A 2- $\frac{1}{16}$ " parasite string was welded to outside of 10- $\frac{3}{4}$ " surface pipe to aerate returns, landed at 2616'.

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE Sr. Production Clerk

DATE 7-6-71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions
verse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-019379
2. NAME OF OPERATOR Tenneco Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 1200 Lincoln Tower Bldg. - Denver, Colorado		7. UNIT AGREEMENT NAME Upper Valley Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 710' F/WL and 820' F/SL		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. 29
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7562 GR		10. FIELD AND POOL, OR WILDCAT Upper Valley
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T-36-S, R-I-E
		12. COUNTY OR PARISH Garfield
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well drilled to T.D. of 6860' W/9-7/8" hole on 7/19/71, logged, ran 223 Jts. of 7" 20# and 23# casing landed at 6860', cemented with 220 sacks, released rig 12/19/71. Now waiting on completion unit.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Sr. Production Clerk

DATE 7/20/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate*
(Other instruction
reverse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-019379
2. NAME OF OPERATOR Tenneco Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 1200 Lincoln Tower Bldg., Denver, Colorado 80203		7. UNIT AGREEMENT NAME Upper Valley Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 710' F/WL and 820' F/SL		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. 29
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7562 GR		10. FIELD AND POOL, OR WILDCAT Upper Valley
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T36S, R1E
		12. COUNTY OR PARISH Garfield
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in Completion Unit 7/23/71, tested casing and B.O.P. to 1000 psi, held OK. Cleaned out to P.B.T.D. of 6826'. Perforated 6658-60', 6668-76', 6708-14', 6744 to 6765' w/2 JSPF. Acidized w/11,572 gals of 28% HCL., swabbed ran 208 jts. of 2-7/8" 6.50# EUE tubing landed at 6598'. Installed Reda pump. Well tested 7/31/71, 1542 BOPD, 200 bbls. water, Gas TSTM, gravity 27°. Well put on production 7/31/71.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Sr. Production Clerk

DATE

8/2/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

FORM OGC-8-X

August 2, 1971

FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Upper Valley #29
Operator Tenneco Oil Company Address Denver, Colo. 80203 Suite 1200 Lincoln Tower Bldg. Phone 292-9920
Contractor Loffland Bros. Address Denver, Colo. 80202 220 Midland Savings Bldg. Phone 255-2079
Location 1/4 Sec. 13 T. 36 ~~NR~~ 1 E Garfield County, Utah
S ~~XX~~

Water Sands:

<u>Depth</u>	<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head
		Fresh or Salty
1.	<u>Well drilled w/mud - no water flow encountered</u>	
2.		
3.		
4.		
5.		

(Continue on reverse side if necessary)

Formation Tops:

	Log depth	(ASL)
Navajo	3126	(+4455)
Chinle	5233	(+2348)
Shinarump	5696	(+1885)
Moenkop	5814	(+1767)
Kaiparowits	6606	(+ 975)

Remarks:

NOTE:

- Upon diminishing supply forms, please inform this office.
- Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
- If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(If there is
an inscription on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U-019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

29

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 13, T36S, R1E

12. COUNTY OR
PARISH

Garfield

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200 Lincoln Tower Bldg., Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface
710' F/WL and 820' F/SL
At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, ET, GR, ETC.)* 19. ELEV. CASINGHEAD

6/27/71

7/19/71

7/28/71

7562 GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

6860

6826

Rotary Tools

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6658-6765

Kaibab

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Densilog, SNP, Dift & Accoustilogs

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	40.5	2689	17-1/2	800 sks circulated	
7"	20 & 23	6860	9-7/8	200 sks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8	6598	

31. PERFORATION RECORD (Interval, size and number)

6658-60', 6668-76', 6708-14'
and 6744-65' w/2 JSPT

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6744-65	2500 gals 28% HCL
6708-14)	
6758-60)	9072 gals 28% HCL
6668-76)	

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Pumping --		Reda		Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/31/71	24	-	→	1542	TSTM	200	TSTM
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
--	--	→	1542	TSTM	200	27°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

H. Woosley

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Sr. Production Clerk

DATE 8/2/71

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Navajo	3126	5233	Sand water by logs
Shinarump	5696	5814	Sand water by logs.
Kaibab	6606	6860	Limestone and Dolomite
			Oil to 6804 and wet below that.
	CRD: 6755-9	6803	Limestone and Dolomite with chert inclusions, oil saturated

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Navajo	3126	+4455
Chinle	5233	+2348
Shinarump	5696	+1885
Moenkopi	5814	+1767
Kaibab	6606	+ 975



REPORT OF WATER ANALYSIS

RECEIVED
SEP 8 1976

Company TENNECO OIL COMPANY
ESCALANTE, UTAH
DIST 15

Date 17-Feb-76
Analysis No. 76V242, Q
Sampling Date 2-3-76
Date Sample Rec'd. 2-11-76

Sample Marked

TENNECO #29

Upper Valley Unit

Karlsbad formation

SW, SW, Sec. 13, T36S, R1E

DISSOLVED SOLIDS

Cations

	mg/l	meq/l
Sodium, Na(calc.)	2490.	108.
Calcium, Ca	720.	36.0
Magnesium, Mg	194.	16.0
Barium, Ba		

RESULTS AS COMPOUNDS

	mg/l
as NaCl	
as CaCO ₃	1800.
as CaCO ₃	800.
as BaSO ₄	

Sum of Cations 3410. 160.

Anions

Chloride, Cl	3280.	92.3
Sulfate, SO ₄	1790.	37.3
Carbonate, CO ₃		
Bicarbonate, HCO ₃	1880.	30.8

as NaCl	5400.
as Na ₂ SO ₄	2650.
as CaCO ₃	
as CaCO ₃	1540.

Sum of Anions 6950. 160.

Dis. Solids (calc.) 10400.
Total Iron, Fe .8
Acid to Phen., CO₂ 101.

as Fe	.8
as CaCO ₃	230.

OTHER PROPERTIES

Ph (units) 7.5
Spec. Gravity (g/ml) 1.004
Turbidity (jtu) 11.0

CaCO₃ STABILITY INDEX
@ 70° F.
@ 120° F.
@ 160° F.
Method of Stiff & Davis

3 D. G. HASS
H. E. KING

Remarks:

[Signature]
NALCO CHEMICAL COMPANY
VISCO CHEMICALS

P. O. BOX 87 • SUGAR LAND, TEXAS 77478

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

29

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC. T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 13, T36S, R1E

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	RECEIVED JUL 15 1977 DIVISION OF OIL, GAS, & MINING	14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, CR, etc.)
2. NAME OF OPERATOR Tenneco Oil Company			7562 GR
3. ADDRESS OF OPERATOR 1860 Lincoln, Suite 1200, Denver, Colorado 80295			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 710' FWL and 820' FSL			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We have cleaned out the perforations on this well as follows:

1. Pulled Reda Pump.
2. Set packer at 6476'.
3. Acidized perfs at 6622' - 6780' with 2000 gallons of 15% HCL.
4. Pulled packer.
5. Ran Reda Pump.
6. Placed well on production.
7. Cleaned location of all debris.

18. I hereby certify that the foregoing is true and correct

SIGNED

D. L. Myers

TITLE Div. Production Manager

DATE

7-7-77

(This space for Federal or State office use)

APPROVED BY

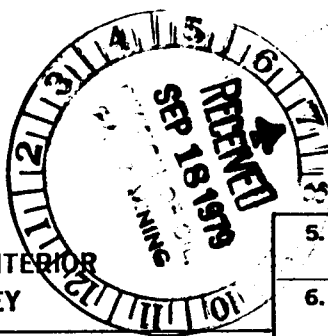
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
720 South Colorado Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 710'FWL & 820'FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☒
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING (Note: Division of multiple completion or zone change on Form 9-330.)

DATE: 9-19-79

BY: M. J. [Signature]

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We propose to inject acid in well for the purpose of cleaning scale build-up via the following procedure:

MIRUPU. POOH w/Reda pump. RIH w/7" 23# Baker scraper & scratcher on 2 7/8" tbg. Install stripping head w/ 2 7/8" rubbers. Spot 75bbl 15% HCL acid w/63# L-41 iron sequestering agent, 25.2 Gal A-200 inhibitor, & 15.75 gal W-27 anti-sludging agent, displacing tbg. w/30 bbl produced water. Work scraper/scratcher from 6780' to 6500'. Overdisplace acid w/225 BW down annulus & 40 BW down tbg. POOH w/scraper & scratcher. RIH w/pump. Produce well into frac tank until well cleans up. RDMOPU.

Verbal approval per Edgar Guynn on 9/7/79

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Carol Walker TITLE Admin. Supervisor DATE 9/11/79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Operator *Chas 92*

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUB *TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to recomplete wells. Use "APPLICATION FOR PERMIT—" for

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1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Tenneco Oil Company *N0950*

3. ADDRESS OF OPERATOR
P.O. Box 3249 Englewood, CO 80155

DIVISION OF
OIL, GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

5. LEASE DESIGNATION AND SERIAL NO.
varies

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

020910

7. UNIT AGREEMENT NAME
Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
Upper Valley - Kaibab

11. SEC., T., R., M., OR S.W. AND SURVEY OR AREA

Townships 36S, 37S; Range 1E

14. PERMIT NO.

15. ELEVATIONS (Show whether of, ft., or, etc.)

12. COUNTY OR PARISH 13. STATE
Garfield Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Tenneco Oil Company has sold its interest to the Upper Valley Unit located in various sections of Township 36S, 37S and Range 1E, 2E. The sale was to Citation Oil and Gas Corp. (16800 Greenspoint Park Drive, Suite 300, Houston, Texas 77060) effective 9/1/87. Attached is a list of unit wells which were sold.

N0265

18. I hereby certify that the foregoing is true and correct

SIGNED

Steve Foster

TITLE Sr. Administrative Analyst

DATE 1/27/88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Tennessee Oil Co. to Citation Oil and Gas Co.,

N0950 to N0265

Eff 9-1-87

UPPER VALLEY UNIT

RECEIVED
FEB 01 1988

DIVISION OF
OIL, GAS & MINING

Upper Valley #1	SE/4NE/4 Sec. 11, T-36-S, R-1-E	43-017-11221 ✓
	Water Injection	
Upper Valley #2	NW/4NW/4 Sec. 13, T-36-S, R-1-E	43-017-16025 ✓
POW/KBAB		
Upper Valley #3	SE/SW Sec. 13, T-36-S, R-1-E	43-017-16026 ✓
POW/KBAB		
Upper Valley #4	SE/SE Sec. 24, T-36-S, R-1-E	43-017-16027 ✓
W1W Upper Valley #5	SE/SW Sec. 12, T-36-S, R-1-E	43-017-16028 ✓
POW/KBAB		
Upper Valley #6	SE/NW Sec. 13, T-36-S, R-1-E	43-017-20233 ✓
W1W Upper Valley #7	SE/NE Sec. 24, T-36-S, R-1-E	43-017-20258 ✓
POW/KBAB		
Upper Valley #8	NW/SW Sec. 13, T-36-S, R-1-E	43-017-20275 ✓
POW/KBAB		
Upper Valley #9	NW/SE Sec. 24, T-36-S, R-1-E	43-017-20324 ✓
POW/KBAB		
Upper Valley #10	SE/NE Sec. 25, T-36-S, R-1-E	43-017-30001 ✓
POW/KBAB		
Upper Valley #11	SE/SE Sec. 25, T-36-S, R-1-E	43-017-30002 ✓
POW/KBAB		
Upper Valley #12	NW/SW Sec. 6, T-37-S, R-2-E	43-017-30015 ✓
POW/KBAB		
Upper Valley #13	NE/NW Sec. 24, T-36-S, R-1-E	43-017-30003 ✓
POW/KBAB		
Upper Valley #14	SE/SE Sec. 11, T-36-S, R-1-E	43-017-30004 ✓
POW/KBAB		
Upper Valley #15	SE/SW Sec. 24, T-36-S, R-1-E	43-017-30005 ✓
W1W Upper Valley #16	SW/NE Sec. 11, T-36-S, R-1-E	43-017-30007 ✓
PPA		
Upper Valley #17	SE/NE Sec. 36, T-36-S, R-1-E	43-017-30016 ✓
POW/KBAB		
Upper Valley #17X	SE/NE Sec. 36, T-36-S, R-1-E	43-017-30071 ✓
POW/KBAB		
Upper Valley #18	NW/SW Sec. 31, T-36-S, R-2-E	43-017-30012 ✓
W1W / KBAB		
Upper Valley #19	NW/NW Sec. 6, T-37-S, R-2-E	43-017-30013 ✓
POW/KBAB		
Upper Valley #20	NW/NE Sec. 25, T-36-S, R-1-E	43-017-30014 ✓
POW/KBAB		
Upper Valley #21	NW/NW Sec. 7, T-37-S, R-2-E	43-017-30021 ✓
PPA		
Upper Valley #22	SE/NW Sec. 14, T-36-S, R-1-E	43-017-30025 ✓
W1W Upper Valley #23	SE/NW Sec. 30, T-36-S, R-2-E	43-017-30030 ✓
W1W Upper Valley #24	NE/NE Sec. 23, T-36-S, R-1-E	43-017-30041 ✓
W1W Upper Valley #25	SW/SE Sec. 36, T-36-S, R-1-E	43-017-30033 ✓

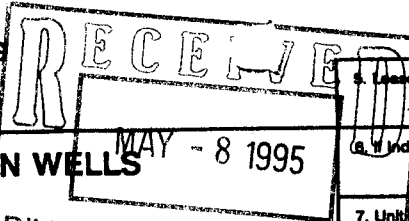
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FEB 01 1988

UPPER VALLEY UNIT (Continued)

DIVISION OF
OIL, GAS & MINING

Upper Valley #26 Pow/KBAB	SW/SW	Sec. 24, T-36-S, R-1-E	43-017-30036 ✓
Upper Valley #27 Pow/KBAB	NW/SE	Sec. 7, T-37-S, R-2-E	43-017-30039 ✓
Upper Valley #28 Pow/KBAB	NW/NE	Sec. 24, T-36-S, R-1-E	43-017-30032 ✓
Upper Valley #29 Pow/KBAB	SW/SW	Sec. 13, T-36-S, R-1-E	43-017-30034 ✓
Upper Valley #30 Pow/KBAB	SE/NW	Sec. 24, T-36-S, R-1-E	43-017-30037 ✓
Upper Valley #31 Pow/KBAB	SE/NE	Sec. 14, T-36-S, R-1-E	43-017-30042 ✓
Upper Valley #32	NW/SE	Sec. 25, T-36-S, R-1-E	43-017-30043 ✓
Upper Valley #33	NW/NE	Sec. 36, T-36-S, R-1-E	43-017-30047 ✓
Upper Valley #34	SW/NE	Sec. 13, T-36-S, R-1-E	43-017-30065 ✓
Upper Valley #36	NW/NE	Sec. 14, T-36-S, R-1-E	43-017-30048 ✓



SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter, plug and seal, or abandon wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

U-019379

6. Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

Upper Valley Unit

8. Well Name and Number:

Upper Valley Unit #29

9. API Well Number:

Unknown 13-017-30034

10. Field and Pool, or Wildcat:

Upper Valley

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Citation Oil & Gas Corp.

3. Address and Telephone Number:

8223 Willow Place South STE 250 Houston, TX 713-469-9664

4. Location of Well

Footages: 710' FWL & 820' FSL

County: Garfield

QQ, Sec., T., R., M.: Sec. 13, T36S, R1E

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- ☐ Abandonment
☐ Casing Repair
☐ Change of Plans
☐ Conversion to Injection
☐ Fracture Treat
☐ Multiple Completion
☒ Other Replace downhole submersible equip.
- ☐ New Construction
☐ Pull or Alter Casing
☐ Recompletion
☐ Shoot or Acidize
☐ Vent or Flare
☐ Water Shut-Off

Approximate date work will start May 95.

SUBSEQUENT REPORT

(Submit Original Form Only)

- ☐ Abandonment
☐ Casing Repair
☐ Change of Plans
☐ Conversion to Injection
☐ Fracture Treat
☐ Other Replace downhole submersible equip.
- ☐ New Construction
☐ Pull or Alter Casing
☐ Shoot or Acidize
☐ Vent or Flare
☐ Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The submersible equipment failed 4-10-95. Citation plans to replace the equipment.

13.

Name & Signature: Sharon Ward Sharon WardTitle: Prod. Reg. Supv.Date: 5-4-95

(This space for State use only)

tax credit
9/29/95